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(54) PRINTING PLATE MATERIAL FOR
ELECTROSTATIC PRINTING

vehicle having a high thermoplasticity, the conductive powder being a powder of carbon black or the like, and the vehicle being carnauba wax or the like.

(57) Abstract:

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PURPOSE: To ensure good heat response and enable a printing plate material to be inspected as required prior to printing, by a construction wherein a high electrical resistance layer comprising a fine semiconductor powder and a binder resin having electron-attractive groups is provided on a conductive base, and a low electrical resistance layer comprising a fine conductive powder and a vehicle having a high thermoplasticity is provided thereon.

CONSTITUTION: The high electrical resistance layer 3 provided on the conductive base 4 comprises at least a fine semiconductor powder 10 and a binder resin having electron-attractive groups, and has an electrical resistivity of not lower than $10^{11}\Omega\text{cm}$, the electrical resistivity of the powder being not higher than $10^8\Omega\text{cm}$, preferably, not higher than $10^6\Omega\text{cm}$. The semiconductor powder may be, for example, a powder of germanium. The binder resin is a thermoplastic resin having an electron-attractive group such as nitro, cyano and sulfoamido in its molecule, and may be a polyacrylic resin or the like. The low electrical resistance layer 2 comprises at least a fine conductive powder 1 and a

